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# भारत का राजपत्र

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इस भाग में भिन्न पृष्ठ संख्या वी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2

## [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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PATENTS AND DESIGNS  
Calcutta, the 30th April 1983

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1—47 GI/83

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APPLICATION FOR PATENTS FILED AT THE HEAD  
OFFICE, 214, ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed  
under section 135, of the Act.

24th March 1983

352/Cal/83: (1) Shanker Prasad Mishra, (2) Sm. Nayantara  
Pathak, (3) Sm. Chitra Mishra, and (4) Sm.  
Abha Mishra. Improvements in or relating to  
the typewriter or the multilingual typewriter.

353/Cal/83: (1) Shanker Prasad Mishra, (2) Sm. Nayantara  
Pathak, (3) Sm. Chitra Mishra, (4) Sm. Abha  
Mishra. Improvements in or relating to the type-  
writer or the adjustable carriage cylinder type-  
writer.

354/Cal/83: Tai-Her Yang. A linear or rotary type of  
engine driven with an air exchanging chamber  
means and an advanced ignition means adjustable  
with servo-drive means.

**355/Cal/83.** Aluminium Pechiney. Process for producing aluminium in a very high state of purity in respect of eutectic elements.

**356/Cal/83.** Linde Aktiengesellschaft. The production of hot reduction gas having an oxidizing quality of less than 10%.

**357/Cal/83.** Schlumberger Limited. Method and apparatus for investigating stand-off in a borehole.

25th March, 1983

**358/Cal/83.** Metallgesellschaft A.G. Process of making steel by melting sponge iron in an electric arc furnace.

**359/Cal/83.** (1) Nauchno-Proizvodstvennoe Obiedinenie Po Tekhnologii Mashinostroenia "Tsniiitmash" and (2) Gosudarstvenny Nauchno-Issledovatel'sky Institut Khimii I Tekhnologii Elementoorganicheskikh Soedineniy. Binder for coldhardening moulding sand.

**360/Cal/83.** Westinghouse Electric Corporation. Industrial process control apparatus and method.

**361/Cal/83.** Hew & Millan Development S.A. Cutting link for a chain cutter.

**362/Cal/83.** Robert Bosch GmbH. Improvements in or relating to high-voltage spark plugs.

**363/Cal/83.** Croda Synthetic Chemicals Limited. Stabilising polymers. [25th March, 1982].

26th March, 1983

**364/Cal/83.** The Babcock & Wilcox Company. Program timer control.

**365/Cal/83.** The Babcock & Wilcox Company. Temperature actuated air flow control and gas sampler.

**366/Cal/83.** Ole-Bendt Rasmussen. Method and apparatus for preparing a high strength sheet material.

**367/Cal/83.** The Dow Chemical Company. Use of heterocyclic polyamidoamines as demulsifiers.

**368/Cal/83.** Merck Patent Gesellschaft Mit Beschränkter Haftung. Nacreous pigments, a process for their preparation, and their use.

**369/Cal/83.** Teledyne Industries, Inc. Method of producing a corrosion resistant nickel base alloy.

29th March, 1983

**370/Cal/83.** Elkem Metals Company. Processes for producing and casting ductile and compacted graphite cast irons.

**371/Cal/83.** Elkem Metals Company. Alloy and process for producing ductile and compacted graphite cast irons.

**372/Cal/83.** ITT Industries Inc. Fine grained metal composition.

30th March, 1983

**373/Cal/83.** Flogates Limited. Sliding gate valves and components thereof. (1st April, 1982).

**374/Cal/83.** Sasanko Sekhar Ghose. An improved Waste-Proof water tap.

**375/Cal/83.** Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Device for insertion of weft threads for a jet loom.

**376/Cal/83.** Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Device for levelling of heald frames for a loom.

**377/Cal/83.** Northern Engineering Industries plc. Regeneration of ion exchange materials. (30th March, 1982).

**378/Cal/83.** Sagami Chemical Research Center. Optically active 1-(6-methoxy-2-naphthyl)-2-(alkoxycarbonyl) amino-1-propanone, its derivatives and their halo analogs and the method for their manufacture.

**379/Cal/83.** Siemens Aktiengesellschaft. A vacuum switch.

**380/Cal/83.** Siemens Aktiengesellschaft. A heat sink for semiconductor elements.

**381/Cal/83.** Isover Saint-Gobain. Improvements in techniques for the formation of fibres by centrifuging and gas attenuation.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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CLASS-110.

151471.

Int. Cl. D 04 b-7/00.

#### "AN IMPROVED FLAT KNITTING MACHINES WITH AUTOMATIC NEEDLE SELECTION SYSTEM."

Applicants : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFTI MARG, New Delhi-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : HARDYAL SINGH AND RAJINDER SINGH KUNDI.

Application No. 223/Del/79 filed on 6th April, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office Branch, New Delhi-110 005.

7 Claims.

An improved flat-knitting machine with automatic needle selection system comprising a single flat needle bed, a plurality of sinker elements aligned in a row at constant intervals along the forward edge of the needle bed in the longitudinal direction thereof, a plurality of latch needles aligned between the sinker elements in the needle bed and slidable forward and rearward perpendicularly to the longitudinal direction of the needle bed with their butts protruding up from slots in the needle bed, means for forwarding selectively in a pre-determined manner some of the needles relative to other at fixed intervals, a knitting carriage to operate the latch needles and movable about the needle bed, means for shifting of the knitted pattern laterally relative to the pattern of the preceding knitted course by desired

number of loops wherein the improvement comprises in that means for forwarding the latch needle in a predetermined manner consists of a lifting bar positioned horizontally parallel to the needle bed below the tails of the said needles, with means to raise or lower the said lifting bar, a pattern drum, with longitudinal rows of projections in different patterns at equal angles on its circumference rotatably and suitably mounted on a shaft parallel to the needle bed below the needles such that when the said lifting bar is lowered the needles settle down under their own weight on a said row of projections, on the said pattern drum such that the butts of the needles protruding out of slots in the needle bed while setting on the said row of projections are raised higher than those of other needles which settle down at normal height on the pattern drum and further means on the knitting carriage to biaurate the needles by sliding toward the needles with raised butts when the said knitting carriage is moved reciprocatingly along the longitudinal direction of the said needle bed, without disturbing the needles with butts at normal height, and means in the form of mechanism to axially displace the said pattern drum.

(Complete Specification 12 Pages. Drawing 4 Sheets.)

CLASS-1291.

151472.

Int. Cl. B 23 d-79/02, 21/00.

"IMPROVEMENTS IN OR RELATING TO ROTARY SHEARING MACHINES FOR CROPPING ENDS OF BARS OR OTHER SECTIONS AND SCRAPPING OF BARS OR OTHER SECTION IN ROLLING MILLS."

Applicants : SINGH AND ASSOCIATES, AN INDIAN PARTNERSHIP FIRM OF A-145 GUJARAWALA TOWN, DELHI, INDIA, WHOSE PARTNERS ARE RABINDAR SINGH AND KRISHNAMURTHY RAMAMRITHAM TYER, BOTH INDIAN NATIONALS, AND OF THE ABOVE ADDRESS.

Inventors : RABINDER SINGH, RAM SWARUP AND DIN DAYAL KAPOOR.

Application No. 224/Del/79 filed on 06th April, 1979.

Complete Specification left on 05th April, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office Branch, New Delhi-110 005.

#### 4 Claims.

A rotary shearing machine for cropping ends of bars or other sections and scrapping of bars or other sections rolled in rolling mills comprising two parallel overlying shafts each carrying a pair of rotary disc knives for cropping the front ends and the rear ends of the said bars or other sections an ad separate pair of straight knife for scrapping the bars or other sections which are not suitable for further operations, a drive mechanism for rotating the said shafts, a deviating pipe passing through at least one pair of guide rolls and held by a pivoted clamp, a pneumatic cylinder having an actuating rod for adjusting the position of the said deviating pipe relative to either of the said pairs of knives for cropping the front ends or the rear ends of the bars or other sections or the pair of straight knives for scrapping the bars or other sections.

(Provisional Specification 6 Pages. Drawings 2 Sheets.)

(Complete Specification 8 Pages. Drawings 2 Sheets.)

CLASS-162.

151473.

Int. Cl. D 07 b-3/00.

"IMPROVEMENTS IN THE MANUFACTURE OF METALLIC CORDS."

Applicants : INDUSTRIE PIRELLI SpA, AN ITALIAN COMPANY OF CENTRO PIRELLI, PIAZZA DUCA D'AOSTA NO. 3, 20100 MILAN, ITALY.

Inventors : LUCIANO TARANTOLA.

Application No. 261/Del/79 filed on 24th April, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office Branch, New Delhi-110 005.

#### 7 Claims.

A stranding machine for twisting together a plurality of wires to form a cord, the machine comprising a cage mounted to be rotatable about its axis by drive means therefor, and a shuttle mounted within the cage to be freely rotatable relative thereto about the axis of rotation of the cage, at least one storage bobbin for the storage of a wire or wires being mounted in the shuttle to be freely rotatable about its own axis, the cage and the shuttle having hollow bearings whereby a wire or wires may pass from the interior of the shuttle to the exterior of the cage and vice versa, a collecting device also being provided to draw the wire or wires from the or each said storage bobbin and through the stranding machine over the exterior of the cage and to collect the finished cord, wherein a plurality of rollers is provided for guiding wires into one end of the shuttle and out of its other end in a direction coinciding with the axis of the cage and, within the shuttle, to follow paths which depart from said direction, a preforming device being provided along said paths for imparting a permanent bending deformation to at least part of the wires within the shuttle.

(Complete Specification 20 Pages. Drawings 3 Sheets.)

CLASS-190-D.

151474.

Int. Cl. F 03 d-1/06.

"A METHOD OF PRODUCING VANES, PARTICULARLY OF WIND WHEELS AND THE VANES PRODUCED BY THE METHOD."

Applicants : MASCHINENFABRIK AUGSBURG-NURNBERG AKTIENGESELLSCHAFT, A GERMAN COMPANY OF DACHAUER STRA BE 667, 8000 MUNCHEN 50, FEDERAL REPUBLIC OF GERMANY.

Inventor : SIEGFRIED HELM.

Application for Patent No. 297/Del/79 filed on 4th May, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office Branch, New Delhi-110 005.

#### 10 Claims.

A method of producing a vane comprising forming a spar having an outer contour approximating roughly to the dimensions corresponding to the mid-portion of the vane, attaching a leading-edge part and a trailing-edge part of the vane to the spar, and applying a cover on to the spar between the leading-edge part and the trailing-edge part to form the desired outer profile of the vane.

(Complete Specification 11 Pages. Drawings 1 sheet.)

CLASS-136-E, 190-D.

151475.

Int. Cl. F 03 d-11/00.

"METHOD AND APPARATUS FOR FORMING PLASTICS VANES, PARTICULARLY FOR WIND MACHINE."

Applicants : MASCHINENFABRIK AUGSBURG-NURNBERG AKTIENGESELLSCHAFT, A GERMAN COMPANY OF DACHAUER STRA BE 667, 8000 MUNCHEN 50, FEDERAL REPUBLIC OF GERMANY.

Inventors : NORBERT RAAAB AND DIETMAR KNUNZ. Application for Patent No. 300/Del/79 filed on 4th May, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office Branch, New Delhi-110 005.

#### 16 Claims.

A method of forming a plastics vane, wherein plastics material containing reinforcing material is inserted into an open mould consisting of a single piece, and is allowed to harden in the closed mould, which is subsequently reopened and the vane removed, the mould being resilient at least

adjacent the leading edge of the vane being constructed, and is openable and closable adjacent the trailing edge of the vane being constructed.

(Complete Specification 14 Pages. Drawings 5 Sheets.)

CLASS-126-A, C.

151476.

Int. Cl. G 01 r-21/00.

**ELECTRICAL MEASURING APPARATUS INCORPORATING A CARRIER DOMAIN MAGNETOMETER.**

Applicants : THE GENERAL ELECTRIC COMPANY LIMITED, OF 1 STANHOPE GATE, LONDON W1A 1EH, ENGLAND, A COMPANY INCORPORATED UNDER THE LAWS OF ENGLAND.

Inventors : ROGER GRAHAM FORDHAM, ALAN JOHN THOMAS AND ERIC PADDISON.

Application for Patent No. 314/Del/79 filed on 9th May, 1979.

Convention date : 15th May, 1978 (19656/78) Great Britain.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office Branch, New Delhi-110 005.

10 Claims.

An electrical measuring apparatus comprising transducer means responsive to an input to be measured to produce a digital output representative of said input characterised in that said transducer means comprises a carrier domain magnetometer (CDM); input means for varying a voltage and/or a magnetic flux applied to the CDM in dependence on said input so that the CDM produces a train of pulses whose frequency varies with the value of said input; and counter means responsive to the output of the CDM to produce repetitively an output count representative of the number of pulses in the CDM output during a predetermined period.

(Complete Specification 12 Pages. Drawings 1 Sheet.)

CLASS-32 A.

151477.

Int. Cl. C 09 b-29/00, 45/00.

**"PROCESS FOR THE MANUFACTURE OF REACTIVE DYESTUFFS CONTAINING THE 2-FLUORO-6-METHYL-5-CHLOROPYRIMIDINYL-4 REACTIVE GROUP."**

Applicants : BAYER AKTIENGESELLSCHAFT, A BODY CORPORATE ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : KARL HEINZ SCHUNDEHUTTE AND ERICH KLAUKE.

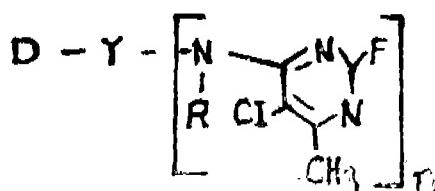
Application No. 527/Del/82 filed on 12th July, 1982.

Division of application No. 187/Del/79 filed on 21st March, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office Branch, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110 005.

2 Claims.

Process for the manufacture of reactive dyestuffs having the general formula I



Formula I

D denotes the radical of an organic dyestuff of the kind such as heroin described,

Y denotes a direct bond or a bridge member to an aromatic-carbocyclic or aromatic-heterocyclic C atom of the chromophore of the kind such as herein described,

R denotes hydrogen or C<sub>1</sub>-C<sub>4</sub>-alkyl and n denotes 1 or 2 characterized in that the precursor or intermediate product of the dyestuffs of the formula shown in Fig. 5

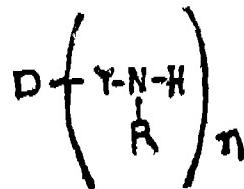


Fig. 5

D, Y, R and n have the meanings mentioned above are subjected to a condensation reaction in aqueous or organic aqueous media at 20-70°C in the presence of acid-binding agents of the kind such as herein described with 2, 4-difluoro-5-chloro-6-methylpyrimidine followed by the building up of the dyestuff, for example, by azo coupling.

(Complete Specification 20 Pages. Drawings 6 Sheets.)

CLASS-128-I.

151478.

Int. Cl. A 61 h 31/00.

**ARTIFICIAL RESPIRATION DEVICE.**

Applicants : SOCIETE TECHNIQUE POUR L'INDUSTRIE NOUVELLE S.A., OF 2, RUE DU JURA, 1800 VEVEY, SWITZERLAND.

Inventors : (1) DR. MED. FRANCOISE REIST-KUNDIG AND (2) WERNER VIGNOLA.

Application No. 219/Cal/79 filed March 7, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

17 Claims.

An artificial respiration device including means for covering the patient's mouth, said means comprising a deformable and at least substantially resilient plate having an elliptical periphery and a soft elastic beading surrounding the edge of the plate, for insertion between the gums of the upper and lower jaw and lips and cheeks respectively, and a tube extending through the plate at a central point thereof in an air-tight manner.

(Compl. Specn. 14 Pages. Drg. 2 Sheets.)

CLASS-157D4.

151479.

Int. Cl. E 01 b 11/52.

**A PROCESS OF JOINING RAILS WITH ALUMINO-THERMIC WELDS AND A CASTING MOULD FOR USE IN CARRYING OUT THE PROCESS.**

Applicants : ELEKTRO-THERMIT GMBH., OF GERMINGSTR. 65, 4300 ESSEN, WEST GERMANY.

Inventor : WILFRIED MORING.

Application No. 726/Cal/79 filed July 16, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

5 Claims.

A process of carrying out aluminothermic welds for joining up rails, wherein the rail ends, which are to be welded up and are laid with a gap, are surrounded by a refractory prefabricated casting mould for a weld bead to close the gap, and aluminothermically produced steel is cast into the cavity of the casting mould in the form of at least two separate casting streams which are mutually opposite in the longitudinal direction of the rails, the casting streams being so guided that they mix substantially in the zone of the centre of the rail heads of the two rails to be welded together.

(Compl. Specn. 16 Pages. Drg. 3 Sheets.)

CLASS-172D.

151480.

Int. Cl. D 01 h 7/20.

## SPINNING AND TWISTING SPINDLE.

Applicants : MASCHNENFABRIK RIETER A.G., OF WINTERTHUR, SWITZERLAND.

Inventors : (1) GERHARD MANDL, AND (2) DANIEL RIETSCHIN.

Application No. 829/Cal/79 filed August 10, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

8 Claims.

Spinning or twisting spindle, of which the spindle shaft is supported in a foot bearing and a neck bearing designed as plain bearings and which bearings are arranged inside a sleeve tube located within a spindle housing, and in which spindle a closed circulating circuit is provided for lubricating oil, which circuit extends from the foot portion of the spindle housing along the spindle shaft via the foot bearing and the neck bearing and back between the sleeve tube and the spindle housing to the foot portion of the housing, wherein above the neck bearing an annular wall surrounding the spindle shaft is provided on the sleeve tube, which wall together with the wall portion of the spindle shaft facing the latter forms the side walls of an annular receptacle and that this receptacle is part of the closed circulating circuit for the lubricating oil.

(Compl. Specn. 9 Pages. Drg. 1 sheet.)

CLASS-172D<sub>1</sub> & 4.

151481.

Int. Cl. B 65 g 57/00.

## LETTERS PATENT FOR AN INVENTION ENTITLED APPARATUS FOR TRANSFERRING PACKAGES IN AN ORDERED MANNER.

Applicant : SCHUBERT &amp; SALZER MASCHINENFAIR AKTIENGESELLSCHAFT, OF FRIEDRICH-EBERT-STRASSE 84, 8070, INGOLSTADT, GERMANY.

Inventors : (1) HERMANN BRANDSTEITER AND (2) HEINZ-JURGEN LOHMANN.

Application No. 975/Cal/79 filed September 18, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

31 Claims.

An apparatus for setting down packages onto a conveyance container in sequence, characterised by a substantially vertical drop shaft whose effective dimension or distance in the feed direction of the conveyance container corresponds to the length of a package tube.

(Compl. Specn. 39 Pages. Drg. 3 Sheets.)

CLASS-32F<sub>1</sub>, & 53E.

151482.

Int. Cl. A 61 k 27/00; C 07 d 27/04.

## PROCESS FOR PREPARING N-(1-METHYL-2-PYRROLIDINYL)METHYL-2, 3-DIMETHOXY-5-METHYLSULFAMOYL BENZAMIDE AND ITS DERIVATIVES.

Applicants : SOCIETE D'EAUDES SCIENTIFIQUES ET INDUSTRIELLES DE L'ILE-DE-FRANCE, OF 46, BOULEVARD DE LATOURMAUBOURG, 75 PARIS 70, FRANCE.

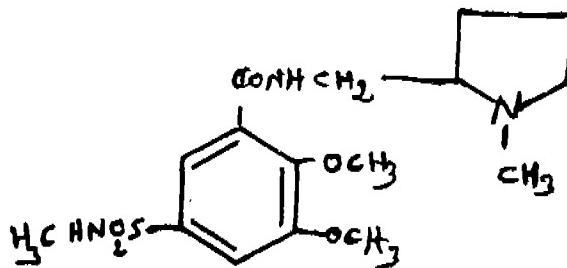
Inventors : (1) MICHEL THOMINET AND (2) JACQUES PERROT.

Application No. 1023/Cal/79 filed October 3, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

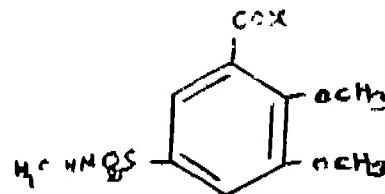
2 Claims.

Process for preparing N-(1-methyl 2-pyrrolidinylmethyl)-2, 3-dimethoxy 5-methylsulfamoyl benzamide of the formula I



Formula I

its oxide, pharmacologically acceptable acid addition salts, quaternary ammonium salts and levorotatory and dextrorotatory isomers which process comprises treating a compound of formula II



Formula II

in which X represents a halogen atom, a hydroxyl group or a group able to form a reactive acid derivative, with 1-methyl-2-aminomethyl-pyrrolidine or its reactive derivatives and if necessary converting the compound obtained thereby to its above said derivatives by conventional methods.

(Compl. Specn. 19 Pages. Drg. 1 Sheet.)

CLASS-128F.

151483.

Int. Cl. A 61 m 31/00.

## DISPENSING INSTRUMENT WITH SUPPORTED BALLOON.

Applicants : POPULATION RESEARCH INCORPORATED, OF 12099 44th STREET NORTH, CLEARWATER, FLORIDA 33520, UNITED STATES OF AMERICA.

Inventor : LEE ROBIN BOLDUC.

Application No. 1048/Cal/79 filed October 10, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

14 Claims.

An instrument for placing material into both canals of the Fallopian tubes of a female having a uterus with a uterine cavity in communication with the canals of the Fallopian tubes, said uterus having a cervical opening in communication with the uterine cavity comprising: an elongated tubular member having an expandable member at or near one end thereof positionable in the uterine cavity adapted to be enlarged to substantially fill the uterine cavity, a dispensing unit coupled to the other end of the elongated tubular member and operable to dispense material into the uterine cavity in an area of the uterine cavity between the expandable member and the canals of the Fallopian tubes said dispensing unit having means for expanding said expandable member whereby said expandable member during the enlargement thereof moves the material from the uterine cavity into the canals of the Fallopian tubes, and support means cooperating with said expandable member to support at least a part of said expandable member to prevent the expandable member from moving through the cervical opening leading to the uterine cavity during the enlargement of the expandable member, the said expandable member having a flexible wall adapted to enlarge to substantially fill the uterine cavity,

said wall having a first section located adjacent to the cervical opening when the expandable member is located in the pterine cavity and a second section expandable toward the mouths of the canal of the Fallopian tubes.

(Compl. Specn. 22 Pages. Drg. 4 Sheets.)

CLASS-32F<sub>1</sub> & 5(b) & 55D<sub>4</sub>.

151484.

Int. Cl. A 01 n 9/00; C 07 d 69/00, 89/02, 89/06.

**A METHOD OF PREPARING A MIXTURE CONTAINING THIOLCARBAMATE OR ACETANILIDE.**

Applicants : MONSANTO COMPANY, OF 800 NORTH LINDBERGH BOULEVARD, ST. LOUIS, MISSOURI 63166 UNITED STATES OF AMERICA.

Inventor : FREDERIC GERALD BOLLINGER.

Application No. 1186/Cal/79 filed November 14, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

8 Claims.

A method of preparing a mixture which comprises thoroughly admixing a herbicidally effective amount of a thiocarbamate or acetanilide herbicide and a safening effective amount of a compound of the formula R'—N=A or an agriculturally acceptable acid addition salt thereof, wherein R' is hydrogen, lower alkyl or a group of the formula shown in Fig. 1

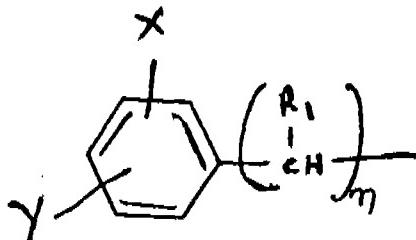


Fig. 1

where R<sub>1</sub> is hydrogen or lower alkyl; X and Y independently equal hydrogen, lower alkyl, lower alkoxy or halogen, n is 0, 1, 2 or 3; A is selected from a group having the formula shown in Figs. 2 to 5

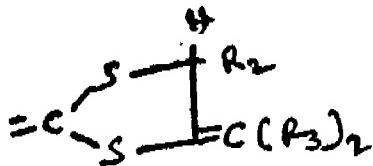


Fig. 2

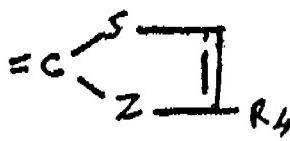


Fig. 3

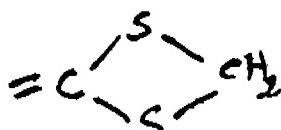


Fig. 4

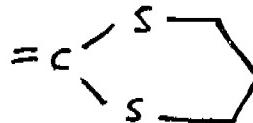


Fig. 5

where R<sub>2</sub> is hydrogen or methyl; R<sub>3</sub> is hydrogen or halogen; R<sub>4</sub> is hydrogen, methyl or phenyl; Z is oxygen or sulfur; provided that when n is 1 and A is represented by a group having the formula shown in Fig. 6

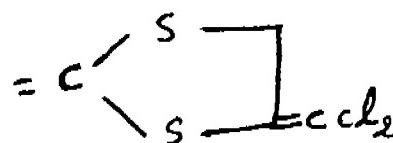


Fig. 6

where R<sub>1</sub> cannot equal ethyl and when n is 1 and A is represented by a group having the formula shown in Fig. 7

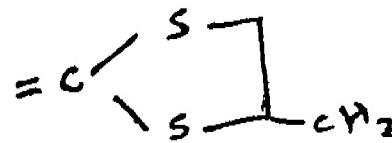


Fig. 7

where R<sub>1</sub> cannot equal n-propyl or isobutyl, wherein the ratio between said herbicide to safening agent ranges between 1 : 25 and 25 : 1 parts by weight.

(Compl. Specn. 61 Pages. Drg. 3 Sheets.)

**PATENTS SEALED**

147995 149422 149960 149998 150036 150065 150091 150180  
150205 150210 150222 150223 150225 150226 150228 150229  
150230 150241 150246 150248 150260 150261 150285 150286  
150287 150288 150289 150333

**PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"**

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No. Title of the invention

- |                   |   |
|-------------------|---|
| 143620 (28-08-75) | A process for producing film-grade polymer of ethylene.   |
| 143785 (03-11-76) | Process and apparatus for removing impurities from gases.   |
| 143851 (15-10-75) | A process for manufacturing manganese dioxide.  |
| 143876 (24-07-75) | A process for producing oxygen and/or nitrogen in the liquid state.   |
| 145909 (03-12-77) | Integrated ammonia-urea producing process for the production of urea.                                       |
| 145922 (23-06-76) | Coal gasification process.  |
| 146047 (21-06-76) | A process for the isomerisation of (+)-trans-isolimonene 1-(+)-isoter-pinolene.                             |
| 146105 (29-10-76) | Process for removal of H <sub>2</sub> S from a feed gas.  |
| 146151 (22-03-77) | An improved fermentation process for the preparation of acetoins (2, 3-buta-nolene acetyl-methyl carbinol). |

146157 (05-05-76) A method of preparing heat resistant iron.

146164 (26-07-77) Improved process for the production of zinc phosphate using zinc oxide.

#### RENEWAL FEES PAID

115313 115359 116118 116246 117492 118110 120124 120397  
 120669 120671 120687 120688 120689 120692 120722 120784  
 120845 120921 120934 120935 120972 121008 121110 121140  
 121148 121191 121365 121492 121954 125203 125932 126044  
 126152 126153 126154 126208 126600 126610 126803 126810  
 126839 127243 127255 129044 129231 129916 130830 130834  
 130877 130920 131046 131053 131139 131142 131289 131476  
 131600 131743 131761 131896 132166 134831 134914 135139  
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 148924 149004 149046 149289 149307 149403 149533 149813  
 149920 149952 149987 150004

#### REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 152919. Bharat Surgical Industries, Basti sheikh, Jalandhar City 144002, an Indian Partnership concern. "Scissor". 19th March, 1983.

Class. 3. No. 151376. M/s. Crown Pvt. Ltd. of 9, R. N. Mukherjee Road, Calcutta-700001, an Indian Private Limited Registered Company of the above address. "Tooth pick (Stick)". 5th December, 1981.

Class. 3. No. 152229. British Telecommunications, a British Corporation established by Statute. of 2-12 Greasham Street, London E2V 7AG, England. "Telephone Instrument Base". Reciprocity date is 29th March, 1982.

Class. 3. No. 152893. Funcraft Industries, 99, Mohammedali Road, Bombay-400 003, Maharashtra State, an Indian Partnership Firm. "Container". 17th March, 1983.

Class. 3. No. 152360. The Delhi Cloth & General Mills Company Limited also trading as D.C.M. Chemical Works, A Company Incorporated under the Indian Companies Act. Shivaji Marg, New Delhi-110015. India. An Indian Company. "Container". 8th October, 1982.

Class. 3. No. 152915. Lalit Bhagwandas Narang and Harish Bhagwandas Narang, Indian Nationals of 83 Dr. Annie Besant Road, Worli, Bombay-400 018, State of Maharashtra, India. "A Balloon Type Milk Extractor". 19th March, 1983.

Class. 3. No. 152913. Lalit Bhagwandas Narang and Harish Bhagwandas Narang, Indian Nationals of 83 Dr. Annie Besant Road, Worli, Bombay-400 018, State of Maharashtra, India. "A NIPPLE", 19th March, 1983.

Class. 3. No. 152914. Lalit Bhagwandas Narang and Harish Bhagwandas Narang, Indian Nationals of 83 Dr. Annie Besant Road, Worli, Bombay-400 018, State of Maharashtra, India. "A Syringe-Shaped Milk Extractor". 19th March, 1983.

Class. 10. No. 152882. Paramount Rubber Works, 6/3 Industrial Area, Kirti Nagar, New Delhi-110015. "FOOT WEAR". 10th March, 1983.

Class. 10. No. 152883. Paramount Rubber Works, 6/3 Industrial Area, Kirti Nagar, New Delhi-110015. "FOOTWEAR". 10th March, 1983.

Extn. of Copyright for the Second period of five years.

Nos. 145917, 146599. .... Class-1.

Nos. 146197, 146257. .... Class-3.

No. 146455. .... Class-5.

Extn. of Copyright for the Third period of five years.

Nos. 140752, 141467. .... Class-3.

Name Index of applicants for Patents for the month of January, 1982 (Nos. 1/Cal/83 to 115/Cal/83, 1/Bom/83 to 21/Bom/83, 1/Mas/83 to 25/Mas/83 and 1/Del/83 to 55/Del/83.

*Name and Appln. No.*

#### —A—

ASA S.A.—16/Del/83 17/Del/83.

Abdan, G.A.B.A.—1/Bom/83.

Abex Corporation.—83/Cal/83.

Allflex International Limited.—44/Cal/83.

Amsted Industries Incorporated.—75/Cal/83.

Angelo Bros., Ltd.—90/Cal/83.

Animal Vaccine Research Corporation.—28/Cal/83.

Arora, D.S. (CDR., Retd.).—38/Del/83 39/Del/83.

#### —B—

Babcock & Wilcox Company, The.—102/Cal/83.

Baldwin, A.D.—19/Del/83.

Bandarkar, P. S.—9/Bom/83.

Barnes, A. C.—8/Del/83.

Barnes, C. E.—8/Del/83.

Beghin-Say.—8/Cal/83.

Beloit Corporation.—26/Cal/83.

Bendix Corporation, The.—22/Del/83.

Bharat Bobbins Ltd.—3/Bom/83.

Bhattacharyya, A.—73/Cal/83.

Birmingham Bolt Company.—41/Del/83.

Biswas, S. K.—69/Cal/83.

Borden (UK) Limited.—5/Del/83.

Brown & Williamson Tobacco Corporation.—106/Cal/83.

Name and	Appn. No.
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## —C—

C-I-L Inc.—49/Del/83.  
 Centre Stephanois De Recherches Mecaniques Hydromecanique Et Frottement.—16/Cal/83 17/Cal/83.  
 Ceskoslovenska Akademie Ved.—31/Cal/83.  
 Charbonnages De France.—76/Cal/83.  
 Chatterjee, A.K. (Dr.).—38/Cal/83.  
 Chatterjee, M. (Dr., Mrs.).—38/Cal/83.  
 Chemische Werke Huls Aktiengesellschaft.—98/Cal/83.  
 Chicopee.—4/Cal/83.  
 Chloride India Limited.—105/Cal/83.  
 Choksi, S. C.—5/Bom/83.  
 Combustion Engineering, Inc.—10/Cal/83.  
 Continental Group, Inc., The.—35/Cal/83.  
 Coromandel Prodorite Limited.—2/Mas/83.  
 Council of Scientific and Industrial Research.—9/Del/83.  
 Cross Company, The.—25/Cal/83.

## —D—

DLF Universal Limited.—26/Del/83, 27/Del/83 28/Del/83.  
 Damp S.P.A.—3/Cal/83.  
 Diamond Shamrock Corporation.—36/Cal/83, 37/Cal/83.  
 Dresser Industries, Inc.—20/Del/83.  
 Dunlop Limited.—48/Del/83.  
 Dynamit Nobel Aktiengesellschaft.—112/Cal/83.

## —E—

Edwin, V. E.—17/Mas/83.  
 Elkem Metals Company.—30/Cal/83.  
 Energy Conversion Devices, Inc.—57/Cal/83.  
 Ethicon, Inc.—108/Cal/83, 109/Cal/83 110/Cal/83.  
 Experimentalny Nauchno-Issledovatelsky Institut Metallorez-huschikh Stankov.—71/Cal/83.

## —F—

FMC Corporation.—53/Del/83.

## —G—

G.D. Societa' Per Azioni.—35/Del/83.  
 Gadre, Y. T.—17/Bom/83.  
 Ganeshwade, N. D.—11/Bom/83.  
 Garai, P. G.—24/Cal/83.  
 George, P. V.—8/Mas/83.  
 Grindwell Norton Limited.—8/Bom/83.  
 Grover, P. D.—3/Del/83 4/Del/83.  
 Guleria, S. S.—1/Del/83 2/Del/83.  
 Gunawantraaj, D. J.—5/Mas/83.  
 Gupta, R. C.—51/Del/83.  
 Gurudutt, M.—21/Mas/83.

Name and	Appn. No.
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## —H—

Haubans Lal Malhotra & Sons Ltd.—64/Cal/83.  
 Hitachi Limited.—95/Cal/83.  
 Hoechst Aktiengesellschaft.—11/Cal/83, 66/Cal/83, 82/Cal/83 99/Cal/83.  
 Honda Giken Kogyo Kabushiki Kaisha (trading as Honda Motor Co., Ltd.).—60/Cal/83.  
 Hooper, B.—42/Cal/83.  
 Hughes Aircraft Company.—7/Del/83.  
 Hyderabad Science Society, The.—13/Mas/83.

## —I—

Imperial Chemical Industries PLC.—6/Del/83 54/Del/83.  
 Indian Explosives Limited.—50/Cal/83.  
 Industries Development Corporation (International Services) Co., Ltd.—19/Cal/83.  
 Institut Merieux (Societe Anonyme).—54/Cal/83.

## —J—

Jain, J. M.—20/Bom/83.

## —K—

Kaempen, C. E.—23/Cal/83.  
 Kar, A.—77/Cal/83.  
 Kar, A.K. (Dr.).—53/Cal/83 81/Cal/83.  
 Karani, L.—19/Bom/83.  
 Kelkar, H. G.—16/Bom/83.  
 Kulkarni, S. D.—18/Bom/83.

## —L—

La Telemecanique Electrique.—61/Cal/83 21/Del/83.  
 Licentia Patent Verwaltungs G.m.b.H.—46/Cal/83.  
 Lubrizol Corporation, The.—45/Cal/83, 79/Cal/83 80/Cal/83.  
 Lucas Industries Public Limited Company.—7/Mas/83 14/Mas/83.

## —M—

Madhok Construction Company (Private) Limited.—43/Del/83.  
 Magyar Gordulocsapagy Muvek.—55/Cal/83.  
 Majhi, A.B.—47/Cal/83.  
 Manjeshwar, N. G. (Mrs.).—21/Mas/83.  
 Marconi Company Limited, The.—30/Del/83.  
 Maschinenfabrik Reihhausen Gebruder Scheubeck GmbH & Co. KG.—15/Del/83.  
 Mathew, T. K.—15/Mas/83.  
 McMaster, R. A.—12/Cal/83.  
 Metal Box P.L.C.—49/Cal/83.  
 Metallgesellschaft A.G.—41/Cal/83.  
 Michael Voit GmbH.—32/Del/83.  
 Mirchandani, A. S.—111/Cal/83.  
 Mitra, S.—29/Cal/83.

Name	and	Appln. No.
Mitsubishi Denki Kabushiki Kaisha.—86/Cal/83, 87/Cal/83 88/Cal/83.		
Mitsui Toatsu Chemicals, Incorporated.—14/Cal/83 94/Cal/ 83.		
Mobil Oil Corporation.—84/Cal/83.		
Monsanto Company.—67/Cal/83, 114/Cal/83 115/Cal/83.		
Motor Industries Co., Ltd.—9/Mas/83.		
Mukherjee, C.C.—58/Cal/83 65/Cal/83.		

## —N—

Natarajan, G. R.—3/Mas/83.
Nayak, U. V.—11/Mas/83
Neste Oy.—6/Cal/83 7/Cal/83.
Newton, I.—13/Del/83 14/Del/83.
Neyric.—31/Del/83.
Nielsen, H. R.—13/Cal/83.
Nitschke, J. S.—74/Cal/83.

## —P—

PRB Nobel Explosifs.—18/Del/83.
Padshah, P. J.—13/Bom/83.
Palitex Project-Company GmbH.—27/Cal/83.
Parulekar, A. M.—4/Bom/83.
Patwardhan, B. H.—7/Bom/83.
Pcuk Produits Chimiques Ugine Kuhlmann.—18/Cal/83.
Pfizer Corporation.—44/Del/83.
Pohlmann, E.—93/Cal/83.
Poorvanchal Pozalana Private Ltd.—36/Del/83 37/Del/83.
Preformed Line Products Company.—48/Cal/83.
Probst, J.—2/Cal/83.
Purolator India Limited.—11/Del/83 12/Del/83.

## —R—

Rocal Acoustics Limited.—46/Del/83.
Raja Bahadur Motilal Poona Mills Ltd., The.—15/Bom/83.
Ramachandran, T.—5/Mas/83.
Ramjibhai, D. K.—2/Bom/83 14/Bom/83.
Rao, K. B.—6/Bom/83.
Rao, S. N.—4/Mas/83.
Reddy, G. R.—16/Mas/83.
Research Association For Petroleum Alternatives Development.—89/Cal/83.

## —S—

Sacilor.—29/Del/83.
Sanyal, A.—72/Cal/83.
Sarkar, A.—68/Cal/83.
Sathe, J.P.A.—10/Bom/83.

Name	and	Appln. No.
Shree Gajjar Engineering Works.—21/Bom/83.		
Siemens Aktiengesellschaft.—20/Cal/83, 70/Cal/83, 91/ Cal/83, 92/Cal/83, 96/Cal/83, 97/Cal/83.		
Singh, R.—40/Del/83.		
Sinha, T. J. M.—50/Del/83 52/Del/83.		
Sirkar, S. K.—68/Cal/83.		
Sir Padampat Research Centre.—23/Del/83, 24/Del/83 25/ Del/83.		
Sitaram, N. R. I.—25/Mas/83.		
Smith, S. D.—55/Del/83.		
Societe Alsacienne De Construction De Material Textile.— 100/Cal/83.		
Sony Corporation.—33/Del/83.		
Southern Petrochemical Industries Corporation Ltd.—18/ Mas/83 19/Mas/83.		
Srivathsan, P.—1/Mas/83.		
Stauffer Chemical Company.—1/Cal/83.		
Stephen, G.—13/Del/83, 14/Del/83.		
Stoy, B.—93/Cal/83.		
Suri, J.—59/Cal/83.		
Syntex (U.S.A.) Inc. 113/Cal/83.		

## —T—

Telefonaktiebolaget L M Ericsson.—34/Del/83.
Thavithu, S.—20/Mas/83.
Thomas, A. M.—22/Mas/83.
Thomas, E. (Mrs.).—22/Mas/83.
Tube Investments of India Limited.—12/Mas/83.

## —U—

Union Carbide Corporation.—42/Del/83 45/Del/83.
United Technologies Corporation.—107/Cal/83.

## —V—

Vallourec.—56/Cal/83.
Varghese, B.—10/Mas/83.
Vasan, V. S.—6/Mas/83.
Vasudevan, P.—1/Del/83, 2/Del/83, 50/Del/83, 52/Del/83.
Veb Filmfabrik Wolfen.—43/Cal/83.
Vedanayagam, Z.—3/Mas/83.
Veen, A. V. D.—85/Cal/83.
Veen, J. V. D.—85/Cal/83.
Velsicol Chemical Corporation.—10/Del/83.
Voest-Alpine Aktiengesellschaft.—39/Cal/83 49/Cal/83.
Vsesojuzny Nauchno-Issledovatelsky Institut Sinteticheskikh Smol.—5/Cal/83.

<i>Name</i>	<i>and</i>	<i>Appln. No.</i>	<i>Name</i>	<i>and</i>	<i>Appln. No.</i>
—W—					
W. Schleffhorst & Co.—	12/Bom/83.		Wheatley Jones Research Limited.—	47/Del/83.	
Westinghouse Electric Corporation.—	9/Cal/83, 15/Cal/83, 32/Cal/83, 33/Cal/83, 34/Cal/83, 51/Cal/83, 52/Cal/83, 62/Cal/83, 63/Cal/83, 78/Cal/83, 103/Cal/83, 104/ Cal/83.		Widia (India) Limited.—	23/Mas/83 24/Mas/83.	
			Wilkinson Sword Limited.—	101/Cal/83.	
			Wrede Ky.—	21/Cal/83 22/Cal/83.	
			DR. K. V. SWAMINATHAN Controller-General of Patents, Designs and Trade Marks.		